

Inventions & Innovation Emerging Technology

Distillation Column Flooding Predictor

A new control technology provides a more accurate estimate of distillation column flooding. The patented pattern recognition technology predicts liquid and jet flooding in the petroleum-refining process. The system identifies patterns of transient tower instabilities, which have been discovered to precede column flooding. Such early identification allows the distillation column to be operated closer to the true flood limit, thus increasing the efficiency of the refinery process and increasing capacity while avoiding the actual flood event.



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